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**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371**

ATTORNEY'S DOCKET NUMBER

04447/H

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)  
10/500,997

INTERNATIONAL APPLICATION NO.  
PCT/JP03/00571

INTERNATIONAL FILING DATE  
22 January 2003

PRIORITY DATE CLAIMED  
23 January 2002

TITLE OF INVENTION

PROCESS FOR PRODUCING 2,4'-DIHYDROXYPHENYLSULFONE

**10/500997**

APPLICANT(S) FOR DO/EO/US

Go YOSHINO; Yuichi TOMODA; Norihiro TANIGUCHI; Kazuaki IGARASHI; and Takeo HASEGAWA

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1.  This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. "Copy"
2.  This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.
3.  This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (8), (9) and (21) indicated below.
4.  The US has been elected (Article 31).
5.  A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a.  is attached hereto (required only if not communicated by the International Bureau).
  - b.  has been communicated by the International Bureau.
  - c.  is not required, as the application was filed in the United States Receiving Office (RO/US).
6.  An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))
  - a.  is attached hereto.
  - b.  has been previously submitted under 35 U.S.C. 154(d)(4).
7.  Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a.  are attached hereto (required only if not communicated by the International Bureau).
  - b.  have been communicated by the International Bureau.
  - c.  have not been made; however, the time limit for making such amendments has NOT expired.
  - d.  have not been made and will not be made.
8.  An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9.  A supplemental declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10.  An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 38 (35 U.S.C. 371(c)(5)).

Items 11 to 20 below concern document(s) or information included:

11.  An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12.  An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13.  A preliminary amendment.
14.  An Application Data Sheet under 37 CFR 1.76.
15.  A substitute specification.
16.  A change of correspondence address (Form PTO/SB/122)
17.  A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.
18.  A second copy of the published International Application under 35 U.S.C. 154(d)(4).
19.  A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).
20.  Other items or information:

**CERTIFICATE OF MAILING**

I hereby certify this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class mail in an envelope addressed to:  
MAIL STOP PCT  
Commissioner for Patents,  
P.O. Box 1450  
Alexandria, VA 22313-1450  
on the date noted below.

*Richard S. Barth*

Attorney: Richard S. Barth

Dated: October 13, 2004

**BEST AVAILABLE COPY**

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U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/500,997</b>		INTERNATIONAL APPLICATION NO. <b>PCT/JP03/00571</b>	ATTORNEY'S DOCKET NUMBER <b>04447/HG</b>
21. <input checked="" type="checkbox"/> The following fees are submitted:		CALCULATIONS	PTO USE ONLY
<b>BASIC NATIONAL FEE (CFR 1.492(a)(1)-(5)):</b>			
Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO.....		\$1,110.00	
International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO .....		\$950.00	
International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO .....		\$790.00	
International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) .....		\$750.00	
International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) .....		\$100.00	
<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>		\$ .00	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).		\$ .00	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE
Total claims	- 20 =	X \$18.00	\$ .00
Independent claims	- 3 =	X \$88.00	\$ .00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)		+ \$300.00	\$ .00
<b>TOTAL OF ABOVE CALCULATIONS =</b>		\$ .00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by ½.		\$ .00	
<b>SUBTOTAL =</b>		\$ .00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).		\$ .00	
<b>TOTAL NATIONAL FEE =</b>		\$ .00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property		\$ .00	
<b>TOTAL FEES ENCLOSED =</b>		\$ .00	
		Amount to be refunded:	\$ .00
		Amount to be charged:	\$ .00
a. <input type="checkbox"/>	A check in the amount of \$ _____ to cover the above fees is enclosed.		
b. <input type="checkbox"/>	Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.		
c. <input checked="" type="checkbox"/>	The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>06-1378</u> . A duplicate copy of this sheet is enclosed.		
d. <input type="checkbox"/>	Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.		
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.			
SEND ALL CORRESPONDENCE TO:			
<b>CUSTOMER NO. 01933</b>			
Frishauf, Holtz, Goodman & Chick P.C. 767 Third Avenue 25 <sup>th</sup> Floor New York NY 10017-2023			
 SIGNATURE Richard S. Barth			
NAME _____			
28,180 _____			
REGISTRATION NUMBER _____			